

CLAIMS

The invention claimed is:

1. A stem cell genetically altered to express a carbohydrate antigen not normally expressed by the cell.
2. The stem cell of claim 1, wherein expression of the carbohydrate antigen is controlled by a transcriptional control element that preferentially causes expression in undifferentiated cells.
3. The stem cell of claim 2, wherein the transcriptional control element is an OCT-4 promoter or a promoter of telomerase reverse transcriptase (TERT).
4. The stem cell of claim 1, genetically altered with a glycosyltransferase.
5. The stem cell of claim 4, wherein the glycosyltransferase is an $\alpha(1,3)$ galactosyltransferase.
6. The stem cell of claim 4, wherein the glycosyltransferase is an ABO blood group transferase.
7. The stem cell of claim 1, which is a human embryonic stem (hES) cell.